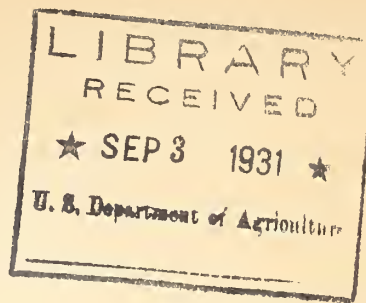


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BLISTER RUST AND WHITE PINE

DEMONSTRATION AREAS

CONNECTICUT

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BLISTER RUST AND WHITE PINE
DEMONSTRATION AREAS
(Data as of January, 1928. Revised August, 1930)

CONNECTICUT

For more detailed information concerning any of the places mentioned in this material see J. E. Riley, Jr., Connecticut Agricultural Experiment Station, at New Haven.

1. Effects of Blister Rust on White Pine

Litchfield County

a. Reproduction.

1. Block 33b Salisbury, about one fourth mile west of the dirt road leaving the State highway a short distance east of the Salisbury school and running south or southeast something like a half mile from the State road. The general area is some forty acres of which perhaps ten or fifteen shows the accumulated effect of neglect to remove Ribes, until something like 60% of the young pine and reproduction is dead or infected. Many infections have been cut out for display purposes. Pines from one foot to ten feet or more tall.

2. Kugeman place Block 8 Cornwall. Lies to east of the State aid road from Cornwall Plain toward West Cornwall. Eradicated in 1922. Needs reeradication as the section is strongly disposed to Ribes growth. Both reproduction and young pines show disease.

b. Medium Aged Pines.

1. West side of Canaan Mountain south of the dirt road to Norfolk Block. Canaan.

2. Kugeman Place, Cornwall. See 1 and two above.

3. Doolittle Pond section at Norfolk.

2. Areas Demonstrating Special Facts Regarding Blister Rust

Litchfield County

1. Salisbury Block 33b. 60% infection after continued exposure.

3. Effectiveness of Ribes Eradication

Litchfield County

1. Scoville Estate - Salisbury South of Twin Lakes. North of State road from Salisbury to Canaan. Eradicated in 1922 - re-eradicated 1927. Few if any infections since first eradication. Naturally bad Ribes locality.
2. Virginia Smith land. Block 1. Cornwall west of public road. Eradicated in 1922 and reeradicated in 1926. Some infections older than date of first eradication.
3. C. L. Gold south of Goshen to West Cornwall road. One mile east of West Cornwall. Large pines free from rust. Eradication in 1923 and reeradication in 1926.
4. American Brass Co. Plant (now Isbell) Litchfield, Connecticut about one mile from Naugatuck River near Jefferson Hill 3 miles east of Litchfield Village. Area generally free from Ribes. Eradicated early. No infection showing.
5. American Brass Co. Plant (now Yates) about one mile north of Winchester Center. Area not badly infested with Ribes. Eradicated early and reeradication 1927 showed only 17 Ribes on an area of over 50 acres.
6. Dr. C. C. Lieb, Cornwall Hollow. Heavy natural seeding from old pines on Hurlburt Estate. Many Ribes in section. Eradicated 1923. Reeradicated 1927. Some old infections preceding first eradication.
7. Mark VanDoren, Cornwall Hollow. Heavy natural seeding on part of area from older pines in near vicinity. Many old infections preceding first eradication in 1923. Reeradication of nearly 100 acres in 1927 yielded 4800 Ribes.

4. Efficiency of Ribes Eradication

1. Edith Woolsey land. Just west of State aid road from Cornwall toward West Cornwall. Eradicated in 1922. Reeradication in 1927 yielded from about 90 acres over 12,000 trees. Ages generally decreasing from north to south. Part of area now in small pines may have been disregarded in 1922.
2. Mark VanDoren, Cornwall Hollow. General area infested with Ribes. Large number on reeradication. Slope to north and west.
3. Dr. C. C. Lieb. Cornwall Hollow. Eradicated 1923. Reeradication in 1927 yielded from about 60 acres 2,600 Ribes. Near the VanDoren land but slope to south and east. Most of area not as favorable for Ribes growth.

4. Efficiency of Ribes Eradication

Litchfield County

4. Brass Co. Plant (now Yates) Only 17 Ribes found in 1927 on reeradication. This part of Winchester not heavily infested naturally with Ribes.

5. American Brass Co. Plant (now Isbell) Litchfield twp. Area not heavily infested. Eradicated early. Reeradicated in 1927. Practically no Ribes or infection found.

6. Edith Scoville land Salisbury. Eradicated about 1922. Reeradication in 1927 yielded from between 300 and 400 acres a total of nearly 13,500 Ribes.

5. Effect of Different Species of Ribes on White Pine

Owing to the irregular distribution of pine and the scarcity of properly preserved data affecting this point, it seems impractical to attempt a correlation of species of Ribes with amount of infection.

6. Effect of Blister Rust in White Pine Plantations

Litchfield County

1. E. D. Curtis, Three miles west of Bantam, Litchfield twp. Considerable infection on trees 10 to 15 years old. Some at least appears to have been inherent in the trees when set out. Believed to be imported stock. Adjoining land naturally infested with wild Ribes. Not eradicated until 1926-27.

2. Near north end of Doolittle Pond, Norfolk. Also believed to be imported stock showing considerable amount of stem infection dating back from 10 to 15 years.

3. American Brass Co. plant. (now Yates) One mile north of Winchester Center. Comparatively free from disease

4. American Brass Co. plantation. Brass Mill Dam. Norfolk Road. Many old cankers. Trees 15 to over 20 feet tall.

5. American Brass Co. (now New Haven Boy Scout Camp) West Hill Pond New Hartford. A few infections. Area eradicated about 1923. A small number of Ribes coming back at lower end of area.

6. American Brass Co. (now Isbell) Litchfield twp. Eradicated. Land comparatively free from Ribes. Trees free from disease.

7. A. C. White plantations. Litchfield twp. Bantam Lake section Naturally Ribes infested area. Repeated eradication seems to result in comparative freedom from the disease.

6. Effect of Blister Rust in White Pine Plantations

Litchfield County

8. Mohawk Forest. Cornwall. Cunningham plantations on top of mountain have been eradicated and reeradicated in 1926-27. There are few infections. This is in strong contrast to conditions some half mile west on the lower slope of the mountain where native self-seeded pine shows heavy infections. Eradicated in 1922 and again worked in 1926.

7. Effect of Blister Rust on Ornamental Pine; and Cutting Out Cankers

Litchfield County

1. Mark VanDoren at Cornwall Hollow has had part of land worked and infected limbs removed in 1927.

2 The owner of a small grove of pines on the south end of Rattle Snake Hill, North Canaan, has trimmed up his pines so that they show no infection. Eradication in 1925. Ribes found near so that some infection of pine would naturally be expected.

8. Location of Wild Ribes

It is felt that owing to an increasing prejudice against these bushes that it is becoming more difficult to secure good specimens generally and promiscuously.

R. americanum

1. Hollenbeck Club, Canaan.
2. A.C. White, Bantam Lake.
3. Seymour Cunningham, Goshen.

R. cynosbati

Common over area where Ribes occurs, if not eradicated.

1. Doctor Martin's and D.O. Perkins' lands. Great Hill.
2. Mrs. P. Kellogg west slope of Mohawk.
3. John Miner, Cornwall.

R. glandulosum

Scarce in the area. A few found in the S.W. corner of Norfolk in 1927.

R. hirtellum

Not plentiful- found sparingly in connection with R. cynosbati. Plentiful in northeastern Connecticut in swamps.

R. tristis

Not common in this section. Many were destroyed in Patterson swamp Cornwall Hollow in 1927 in eradicating

Litchfield County

job for Dr. Lampe. Has been found in northern Norfolk.
Litchfield County (Some doubt of proper identification)

9. White Pine as a Crop

Litchfield County

C.L. Gold south of West Cornwall Road 10 acres of merchantable pine.

Alfred Brown 10 to 20 acres approaching maturity in Harwinton twp. near Campbellville.

Hurlburt Estate, Cornwall Hollow, two or three acres.

E. Scoville Estate. Salisbury. Large pines thinned. Smaller pines at north end of estate need thinning.

10. Old Growth White Pines

Litchfield County

Very scarce.

Cathedral Pines - J. E. Calhoun, Cornwall,

C.L. Gold, West Cornwall.

Miss Edith Scoville, Salisbury (thinned.)

Jno. Burr, Burrville.

Wm. Mathewson, Woodstock, 2 or 3 acres of mature pine.

11. White Pine of Different Ages and Special Significance
as Regards Site, Growth, Etc.

Litchfield County

1. A.C. White Plantations, Litchfield, 2-12 yrs.

2. E.D. Curtis Plantations, Bantam. 10-18

3. Mohawk Forest (Cunningham Plantations) 15-20

4. American Brass Co. West Torrington-Norfolk Road.
New Hartford East of Torrington
Newfield.

See E.D. Clark or J.E. Riley, Jr.

12. White Pine Management (Thinning, Pruning, Release Cuttings,
Pine in Mixture, Etc.)

Litchfield County

1. Experimental trimming and some release cutting, Mohawk Forest.

2. Repeated pruning A. C. White, Litchfield.

3. Edith Scoville, thinning and reproduction cutting, Salisbury.

4. Edith Woolsey. Light improvement thinning some time ago, Cornwall.

5. L. Sturges, West Cornwall. Some experimental pruning.

Middlesex County

6. Whittamore Estate, Middletown. Thinning A & B grade.

13. Utilization of White Pine

Litchfield County

Not enough pine lumber in vicinity being marketed. Iffland Lumber Company, Torrington buy what they can.

14. Special Enemies of White Pine

Litchfield County

Needle blight.

Shoo string fungus.

White pine weevil, very general.

Ants, L. Sturges, West Cornwall, Bristol Water Co. Bristol.

Gipsy Moth.

15. Diseases on Conifers Other Than White Pine

Litchfield County

Cedar Rust

New Milford

Canaan

Campville.

16. Special Forestry Features

Litchfield County

L. Sturges, West Cornwall.

Lumbering and cordwood cuttings carried on so that volunteer pine is protected.

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FOR ADDITIONAL DATA

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FOR ADDITIONAL DATA